LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022770.D
Acq On : 1 Jul 2016 23:06
Operator : UM/SJ
Sample : H3811-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4TW8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.539	116	119	122	rBV3	17543	23898	0.43%	0.035%
2	3.739	151	153	156	rBV4	9631	11080	0.20%	0.016%
3	3.816	163	166	172	rBV	44532	58171	1.04%	0.085%
4	3.974	191	193	196	rBV3	6765	8168	0.15%	0.012%
5	4.662	307	310	314	rBV5	5710	9003	0.16%	0.013%
6	5.273	413	414	418	rBV4	9390	9899	0.18%	0.015%
7	5.478	444	449	451	rVV3	12604	16922	0.30%	0.025%
8	6.213	570	574	578	rBV5	10170	18479	0.33%	0.027%
9	6.671	646	652	654	rBV5	8585	14705	0.26%	0.022%
10	6.777	666	670	672	rBV5	12995	20128	0.36%	0.029%
11	6.824	674	678	685	rVB4	31518	58175	1.04%	0.085%
12	6.947	698	699	703	rBV3	5913	8084	0.14%	0.012%
13	7.100	721	725	726	rBV3	8464	8449	0.15%	0.012%
14	7.311	753	761	773	rVB	832143	1543589	27.63%	2.262%
15	7.476	780	789	798	rBV	554855	914958	16.38%	1.341%
16	7.593	802	809	815	rVB6	33366	76219	1.36%	0.112%
17	7.646	815	818	819	rBV3	9249	8844	0.16%	0.013%
18	7.687	819	825	833	rVB	750203	1294239	23.17%	1.896%
19	8.158	897	905	913	rBV	646982	1136212	20.34%	1.665%
20	8.463	953	957	958	rVB4	9174	10647	0.19%	0.016%
21	8.639	984	987	990	rBV4	7968	9644	0.17%	0.014%
22	8.863	1018	1025	1037	rVB	1057935	1817965	32.55%	2.664%
23	9.333	1097	1105	1114	rBV	748408	1372233	24.57%	2.011%
24	9.409	1114	1118	1125	rVB6	14730	26143	0.47%	0.038%
25	9.479	1125	1130	1131	rBV5	7726	11305	0.20%	0.017%
26	9.573	1142	1146	1150	rVB5	6326	12107	0.22%	0.018%
27	9.720	1167	1171	1174	rBV3	25410	37624	0.67%	0.055%
28	10.055	1221	1228	1240	rBV2	684897	1264600	22.64%	1.853%
29	10.196	1246	1252	1257	rBV2	38651	62334	1.12%	0.091%
30	10.273	1261	1265	1267	rBV5	11648	15557	0.28%	0.023%
31	10.537	1305	1310	1314	rBV3	23282	37025	0.66%	0.054%
32	10.602	1314	1321	1328	rVV	1119065	2005125	35.90%	2.938%
33	10.989	1377	1387	1394	rBV	938499	1750548	31.34%	2.565%
34	11.119	1401	1409	1420	rBV	732141	1384348	24.78%	2.028%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : A4TW8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Title : SVOA CALIBRATION

35	11.559	1479	1484	1486	rBV4	15804	20595	0.37%	0.030%
36	11.747	1510	1516	1518	rBV6	10059	17918	0.32%	0.026%
37	11.877	1532	1538	1539	rBV4	8711	13740	0.25%	0.020%
38	12.024	1559	1563	1564	rBV4	7080	9683	0.17%	0.014%
39	12.317	1610	1613	1619	rBV8	8987	16088	0.29%	0.024%
40	12.488	1638	1642	1649	rVB6	17639	34894	0.62%	0.051%
41	12.558	1649	1654	1659	rBV3	19567	41582	0.74%	0.061%
42	12.940	1713	1719	1723	rBV5	11477	19684	0.35%	0.029%
43	13.152	1750	1755	1757	rBV5	11164	15083	0.27%	0.022%
44	13.393	1794	1796	1800	rBV4	11090	17574	0.31%	0.026%
45	13.557	1821	1824	1826	rBV4	11348	11616	0.21%	0.017%
46	13.604	1828	1832	1834	rVV5	9168	13971	0.25%	0.020%
47	13.669	1838	1843	1848	rBV9	22621	46704	0.84%	0.068%
48	13.716	1849	1851	1856	rVB5	19918	24562	0.44%	0.036%
49	13.827	1867	1870	1872	rBV2	8322	9061	0.16%	0.013%
50	13.910	1877	1884	1888	rBV9	11252	28523	0.51%	0.042%
51	14.121	1916	1920	1925	rBV7	17385	32752	0.59%	0.048%
52	14.197	1926	1933	1937	rVV	2074236	3024222	54.14%	4.431%
53	14.244	1937	1941	1946	rVV	626850	898985	16.09%	1.317%
54	14.309	1946	1952	1960	rVB	869047	1383772	24.77%	2.028%
55	14.415	1968	1970	1973	rBV4	7559	10376	0.19%	0.015%
56	14.497	1977	1984	1992	rVB	2140525	3359233	60.14%	4.922%
57	14.556	1992	1994	1997	rBV4	9397	10904	0.20%	0.016%
58	14.632	2003	2007	2008	rBV4	15946	16299	0.29%	0.024%
59	14.673	2010	2014	2017	rVB3	36226	49759	0.89%	0.073%
60	14.803	2029	2036	2043	rVV2	1730796	2795314	50.04%	4.096%
61	14.861	2043	2046	2050	rVB7	32846	41458	0.74%	0.061%
62	14.991	2062	2068	2083	rBV	946746	1696506	30.37%	2.486%
63	15.143	2091	2094	2098	rBV6	15165	25435	0.46%	0.037%
64	15.361	2127	2131	2132	rBV3	11298	10076	0.18%	0.015%
65	15.531	2154	2160	2164	rBV3	30231	49071	0.88%	0.072%
66	15.578	2164	2168	2169	rVV3	16447	12995	0.23%	0.019%
67	15.619	2173	2175	2179	rVB2	58216	68183	1.22%	0.100%
68	15.684	2182	2186	2188	rBV5	9378	13096	0.23%	0.019%
69	15.796	2198	2205	2213	rBV	2841533	4460518	79.85%	6.536%
70	15.901	2217	2223	2232	rVB	1035596	1559967	27.93%	2.286%
71	16.001	2238	2240	2241	rBV2	11083	9479	0.17%	0.014%

LSC Area Percent Report

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Instrument : BNA_G
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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
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Title : SVOA CALIBRATION

72	16.031	2242	2245	2250	rVB3	61052	74672	1.34%	0.109%
73	16.266	2279	2285	2291	rVB8	48228	95725	1.71%	0.140%
74	16.483	2318	2322	2330	rBV2	66788	104960	1.88%	0.154%
75	16.747	2365	2367	2370	rBV4	14841	14029	0.25%	0.021%
76	16.830	2378	2381	2382	rBV2	24885	25777	0.46%	0.038%
77	16.924	2393	2397	2405	rBV8	61909	120089	2.15%	0.176%
78	16.994	2407	2409	2412	rVB4	29888	34498	0.62%	0.051%
79	17.282	2454	2458	2461	rBV	236291	285017	5.10%	0.418%
80	17.441	2482	2485	2489	rVB5	99483	115828	2.07%	0.170%
81	17.552	2498	2504	2511	rBV2	2184203	3403001	60.92%	4.986%
82	17.652	2515	2521	2528	rVV	2939236	4469104	80.01%	6.549%
83	17.758	2536	2539	2546	rVB6	60668	88912	1.59%	0.130%
84	17.817	2547	2549	2556	rVB6	48860	80790	1.45%	0.118%
85	18.022	2580	2584	2589	rVB	161304	198209	3.55%	0.290%
86	18.299	2627	2631	2638	rBV7	90417	158884	2.84%	0.233%
87	18.422	2647	2652	2663	rBV2	817658	1119072	20.03%	1.640%
88	19.339	2804	2808	2810	rBV5	64478	90839	1.63%	0.133%
89	19.568	2844	2847	2850	rBV4	112660	150575	2.70%	0.221%
90	19.685	2863	2867	2876	rBV	257829	389164	6.97%	0.570%
91	19.932	2903	2909	2919	rBV	3582781	5585880	100.00%	8.185%
92	20.408	2985	2990	2994	rBV5	174066	337650	6.04%	0.495%
93	20.760	3047	3050	3054	rBV5	90377	123967	2.22%	0.182%
94	20.825	3059	3061	3067	rBV5	102202	171138	3.06%	0.251%
95	20.913	3072	3076	3085	rVB3	629153	1043069	18.67%	1.528%
96	21.460	3165	3169	3181	rVB	607342	989758	17.72%	1.450%
97	21.853	3230	3236	3242	rVB	2278766	3977988	71.22%	5.829%
98	23.592	3526	3532	3539	rVB	507879	1011036	18.10%	1.481%
99	24.997	3762	3771	3782	rVB2	1842112	4935958	88.36%	7.233%
100	25.232	3802	3811	3821	rVB3	1413855	4124385	73.84%	6.043%

Sum of corrected areas: 68246079

LSC Report - Integrated Chromatogram

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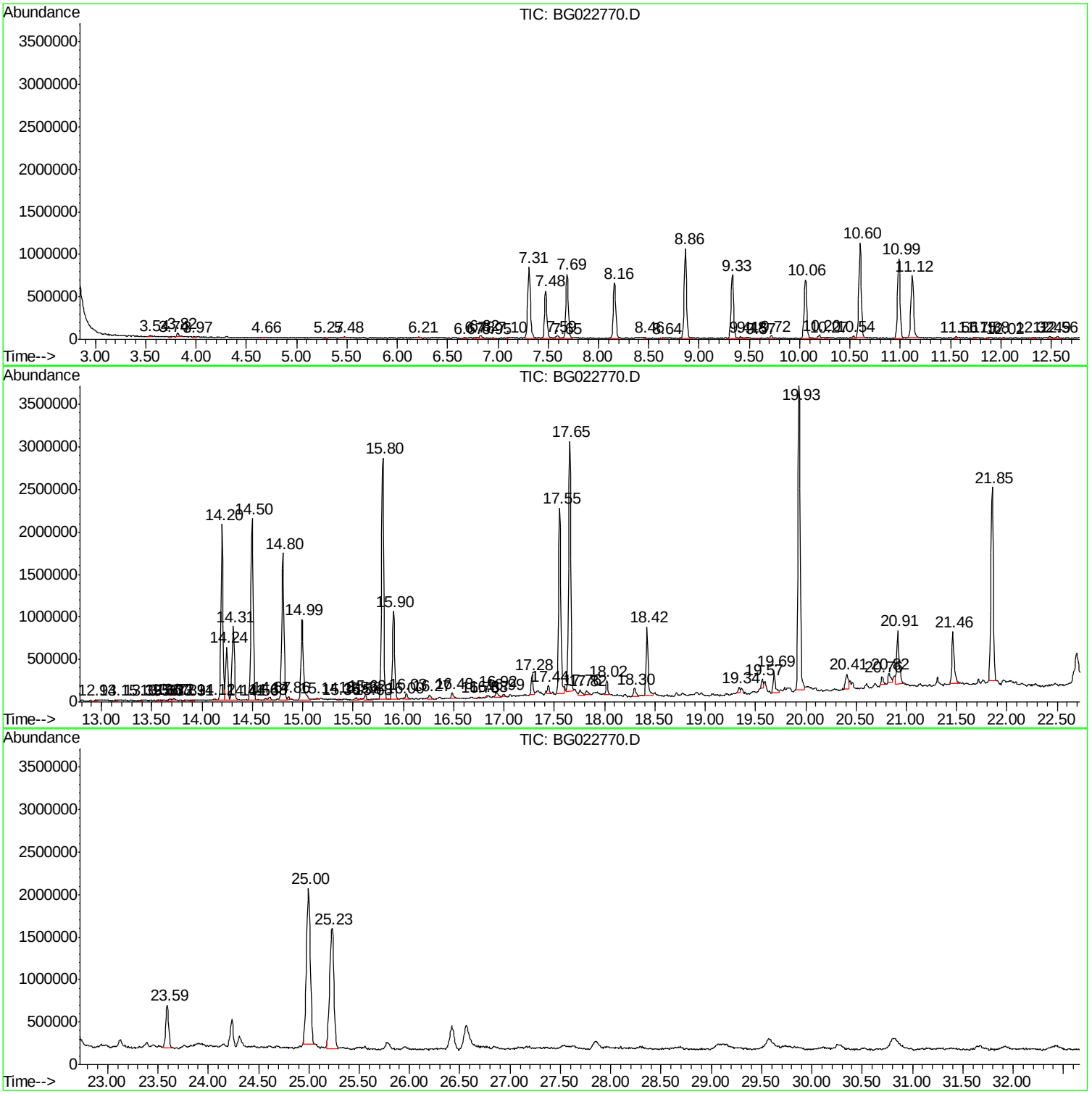
Operator : UM/SJ
Sample : H3811-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4TW8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

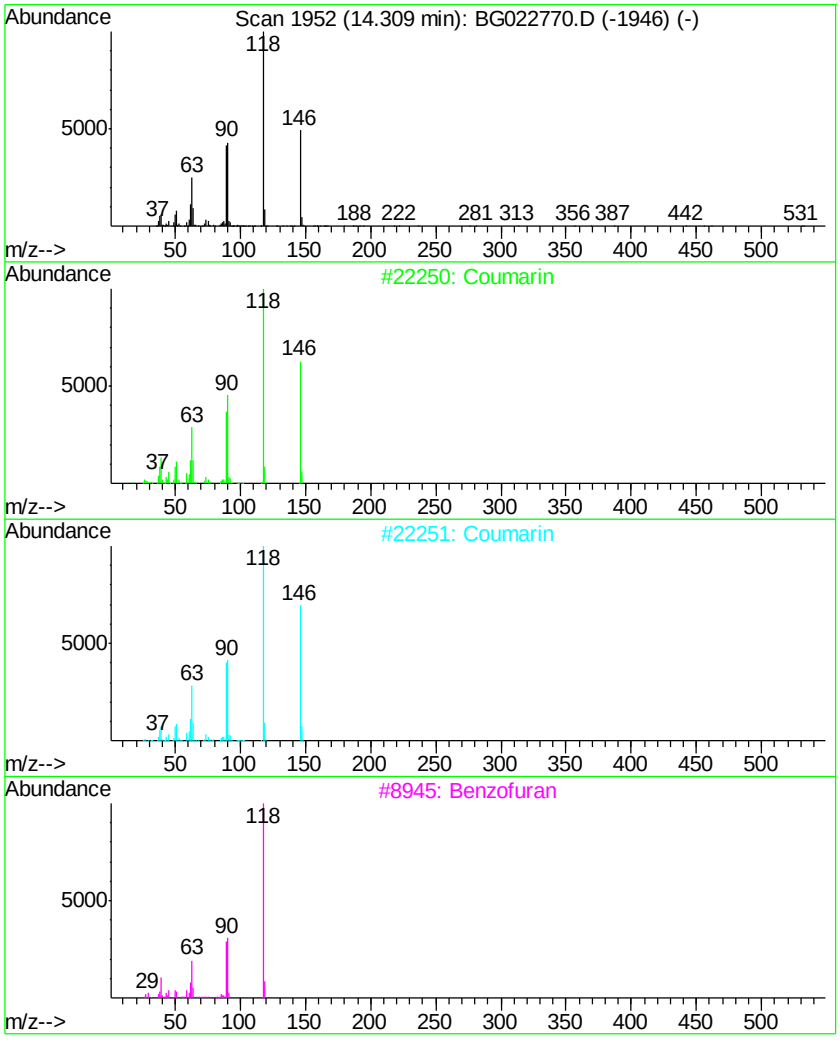
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

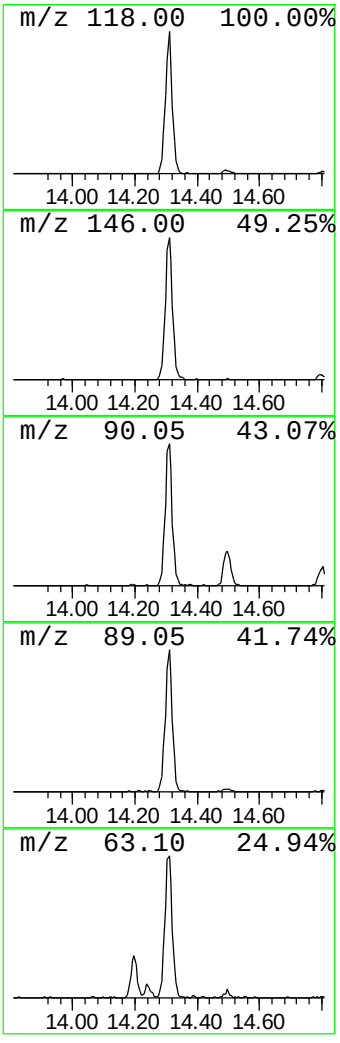
****

Peak Number 1 Coumarin Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	9.90 ng/ul	1383770	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coumarin	146	C9H6O2	000091-64-5	94
2	Coumarin	146	C9H6O2	000091-64-5	93
3	Benzofuran	118	C8H6O	000271-89-6	91
4	Benzofuran	118	C8H6O	000271-89-6	87
5	Benzofuran	118	C8H6O	000271-89-6	72





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Sample : H3811-20
Misc :
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Instrument : BNA_G
ClientSampleId : A4TW8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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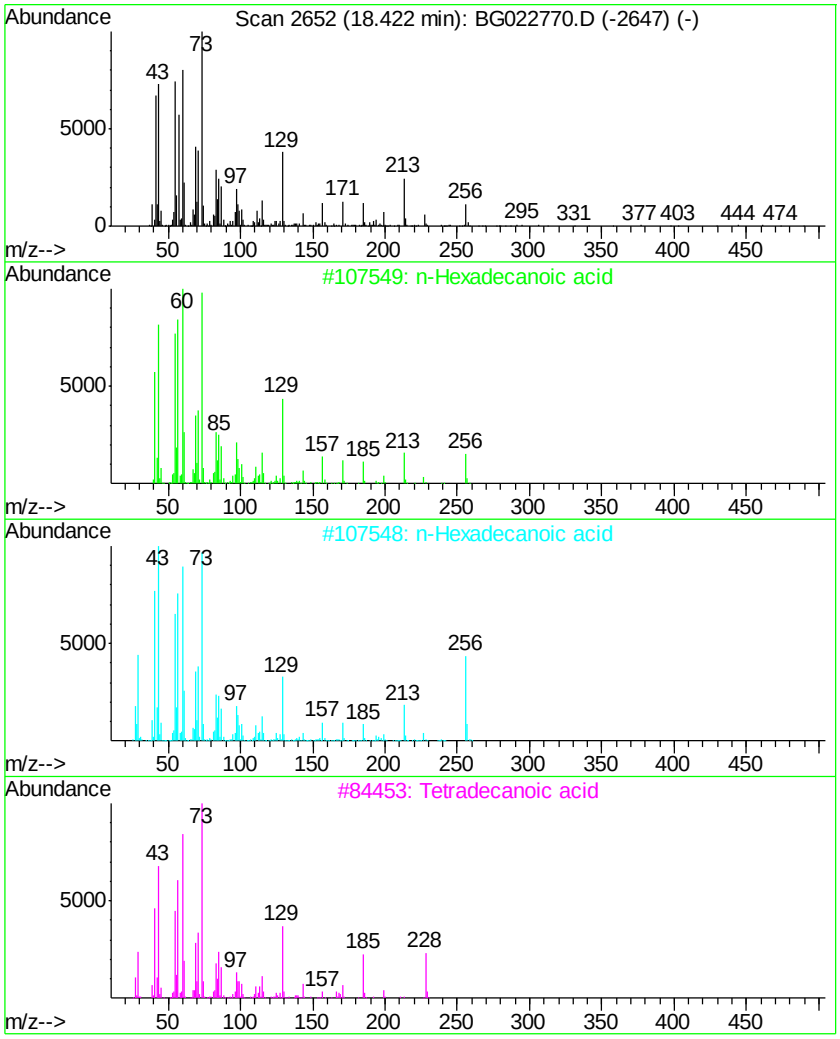
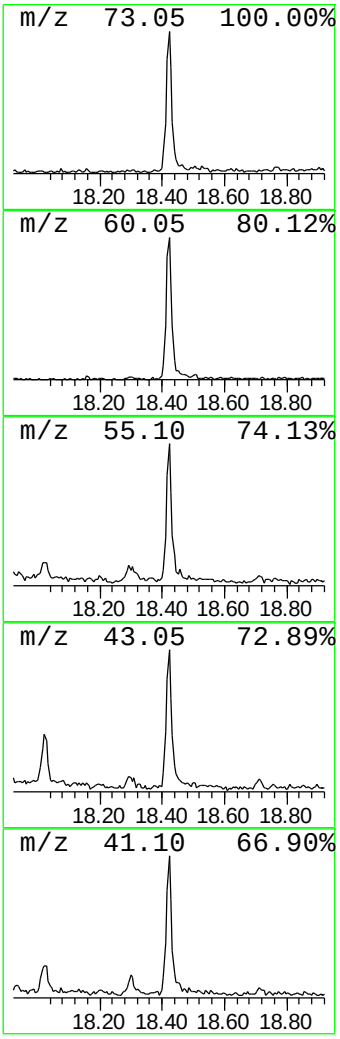
Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	6.58 ng/ul	1119070	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	91
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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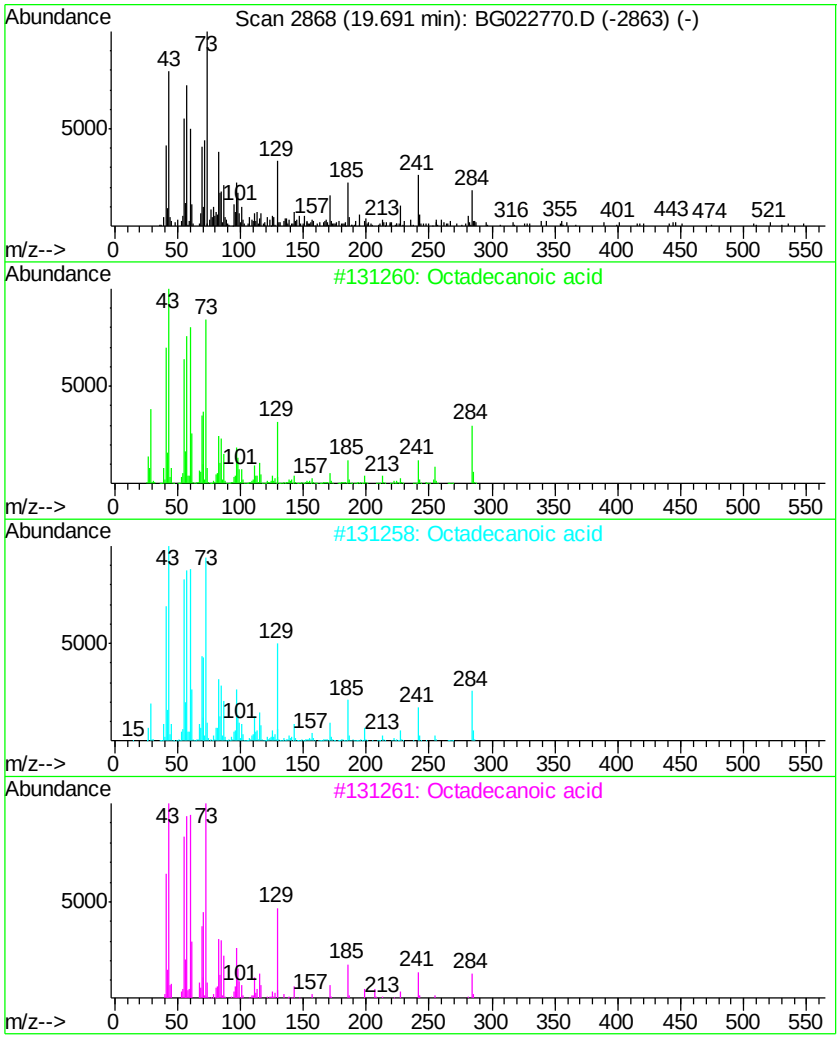
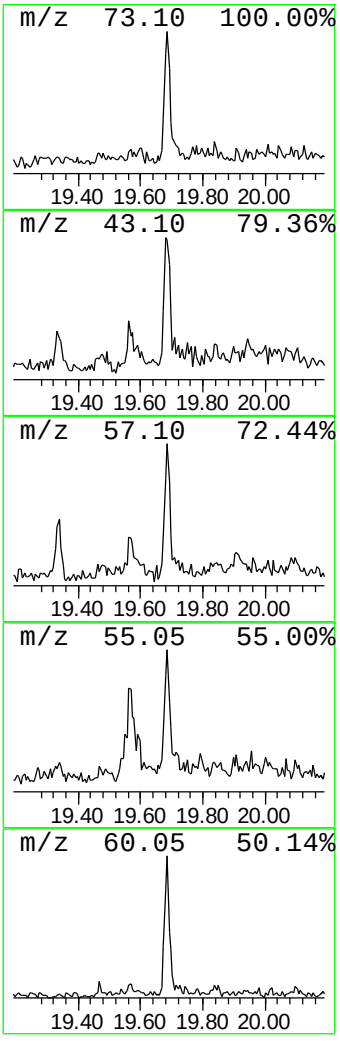
Peak Number 3 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.29 ng/ul	389164	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	90
2	Octadecanoic acid	284	C18H36O2	000057-11-4	83
3	Octadecanoic acid	284	C18H36O2	000057-11-4	81
4	Octadecanoic acid	284	C18H36O2	000057-11-4	81
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80





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Instrument : BNA_G
ClientSampleId : A4TW8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

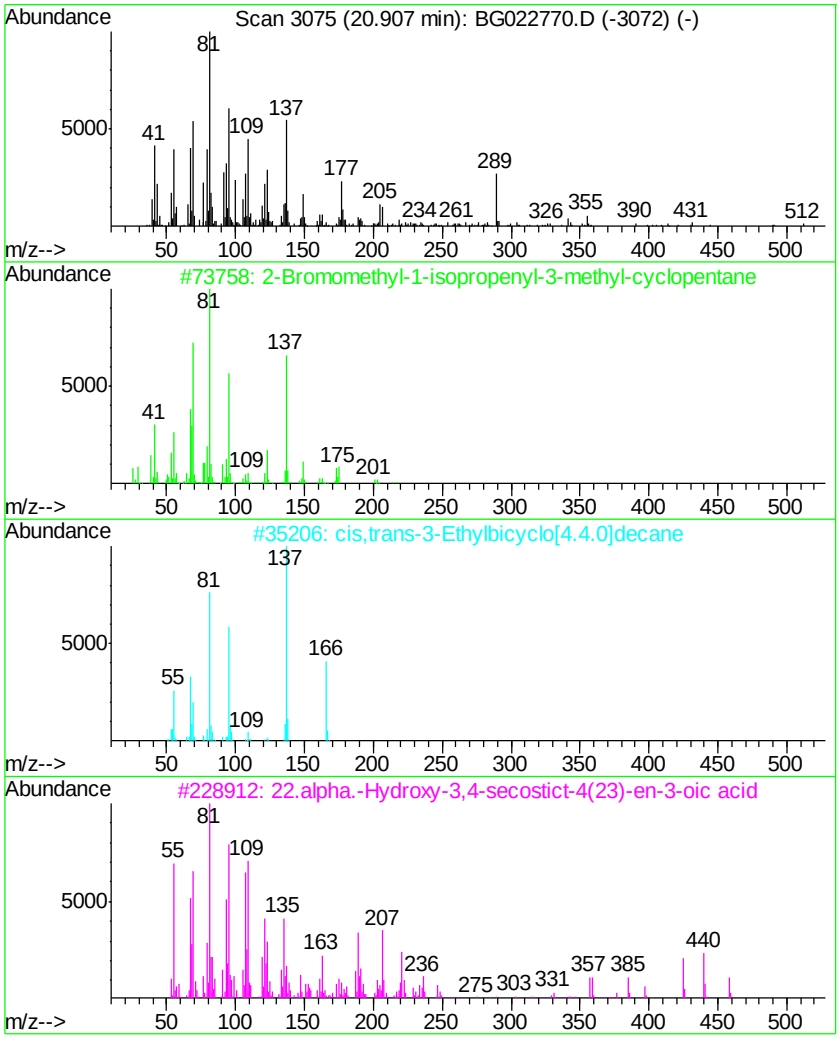
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

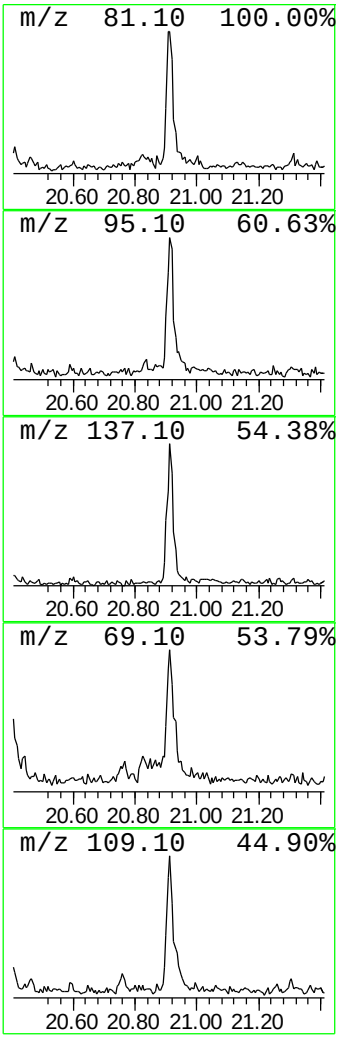
****

Peak Number 4 2-Bromomethyl-1-isopropenyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	5.24 ng/ul	1043070	Chrysene-d12	21.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromomethyl-1-isopropenyl-3-me...	216	C10H17Br	1000187-07-8	50
2	cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	49
3	22.alpha.-Hydroxy-3,4-secostict-...	458	C30H50O3	069773-95-1	46
4	4H-1,3-Benzodioxin-4-one, 2-(1,1...	266	C16H26O3	124899-18-9	45
5	1-Oxaspiro[4.4]nonane-4-carboxam...	289	C16H19NO4	1000319-96-8	44





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Sample : H3811-20
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Instrument : BNA_G
ClientSampleId : A4TW8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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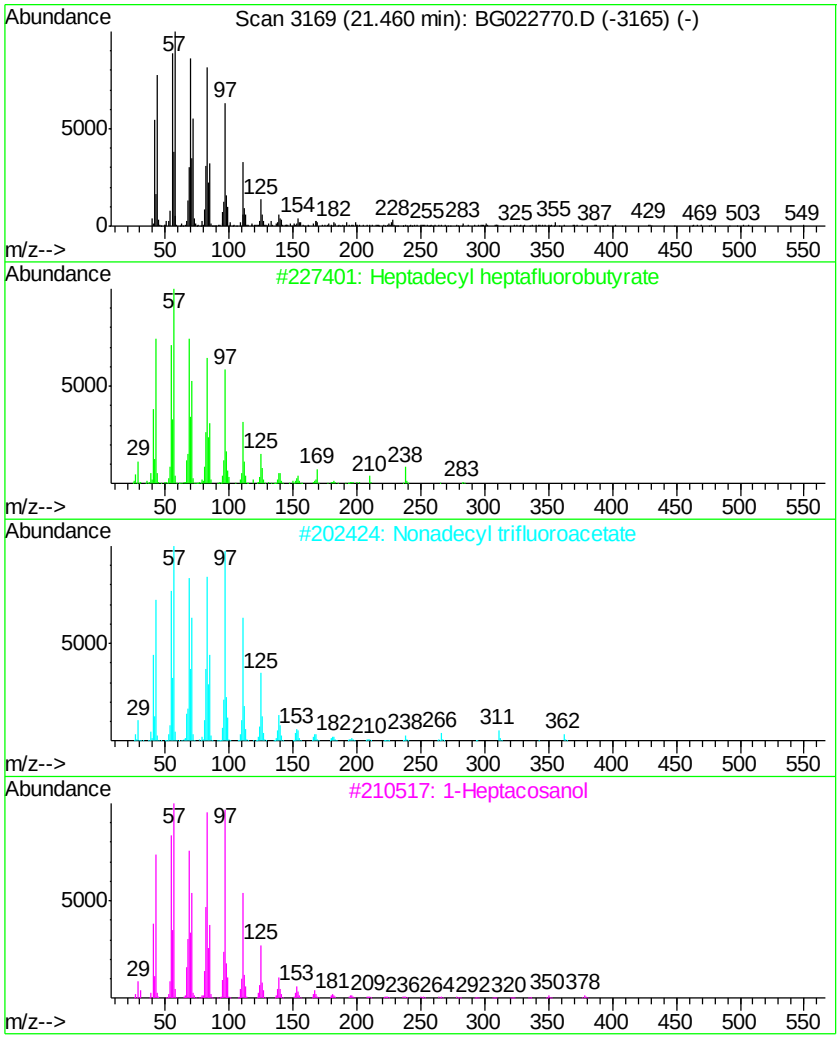
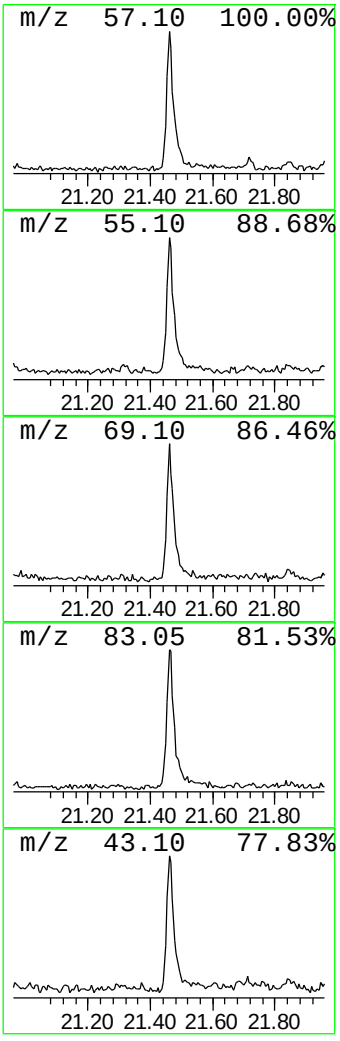
Peak Number 5 Heptadecyl heptafluorobutyrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	4.98 ng/ul	989758	Chrysene-d12	21.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	91
3	1-Heptacosanol	396	C27H56O	002004-39-9	91
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91





Library Search Compound Report

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Acq On : 1 Jul 2016 23:06
Operator : UM/SJ
Sample : H3811-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4TW8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

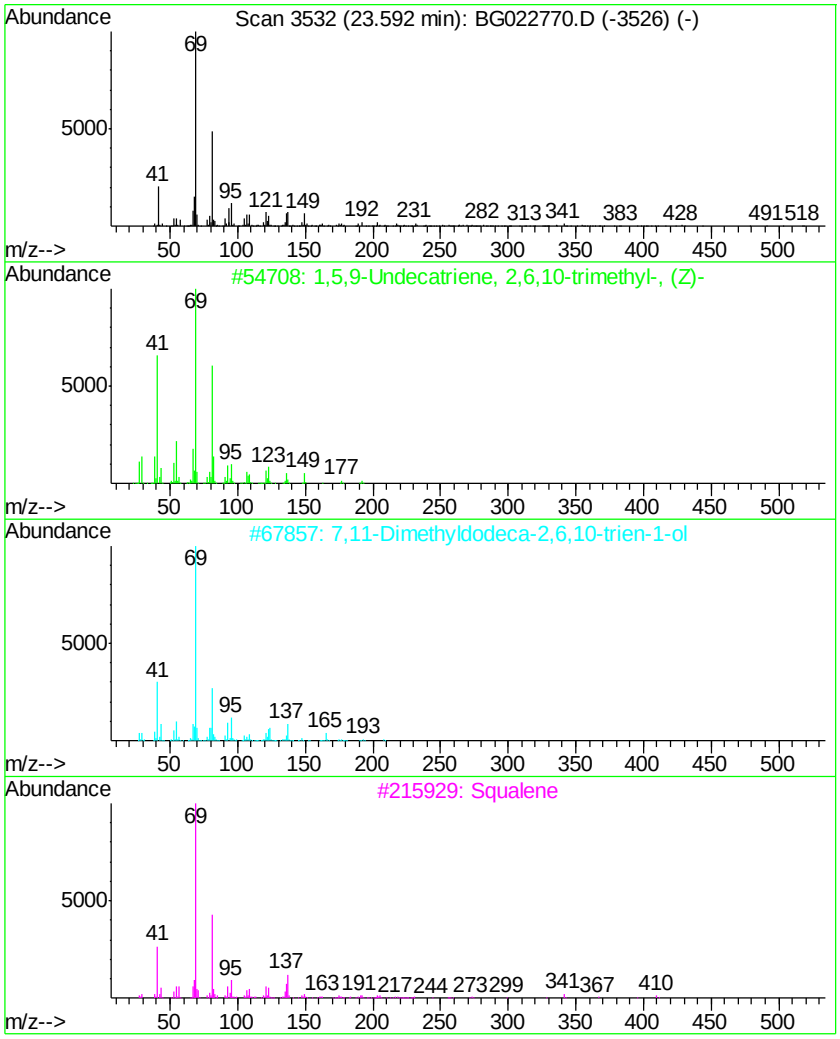
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

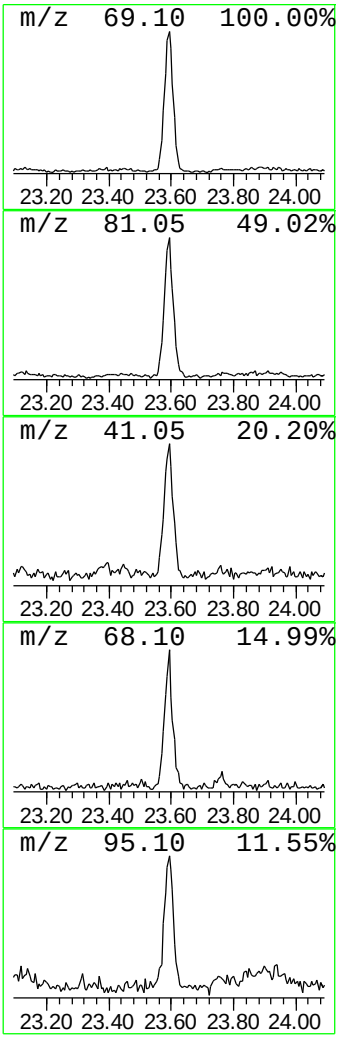
****

Peak Number 6 1,5,9-Undecatriene, 2,6,10-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.59	4.90 ng/ul	1011040	Perylene-d12	25.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	87
2	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64
3	Squalene	410	C30H50	000111-02-4	64
4	.psi.,.psi.-Carotene, 7,7',8,8',...	547	C40H66	000502-62-5	56
5	Pentane, 1,4-dibromo-	228	C5H10Br2	000626-87-9	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022770.D
Acq On : 1 Jul 2016 23:06
Operator : UM/SJ
Sample : H3811-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4TW8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Coumarin	14.31	9.9	ng/ul	1383770	3	14.80	2795310	20.0
n-Hexadecanoic acid	18.42	6.6	ng/ul	1119070	4	17.55	3403000	20.0
Octadecanoic acid	19.69	2.3	ng/ul	389164	4	17.55	3403000	20.0
2-Bromomethyl-1-i...	20.91	5.2	ng/ul	1043070	5	21.85	3977990	20.0
Heptadecyl heptaf...	21.46	5.0	ng/ul	989758	5	21.85	3977990	20.0
1,5,9-Undecatrien...	23.59	4.9	ng/ul	1011040	6	25.23	4124390	20.0